

INTERNATIONAL SEARCH REPORT

International application No.

PCT/N 8/00203

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F16L 55/128

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4465104 A (WITTMAN ET AL), 14 August 1984 (14.08.84), figure 4, abstract --	1-3
A	US 5029614 A (LARA ET AL), 9 July 1991 (09.07.91), figure 1, abstract -- -----	4

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

16 October 2003

17-10-2003

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INTERNATIONAL SEARCH REPORT
Information on patent family members

06/09/03

International application No.

PCT/NO 03/00203

Patent document cited in search report			Publication date	Patent family member(s)			Publication date	
US	4465104	A	14/08/84	CA	1165232	A	10/04/84	
				JP	1002209	B	17/01/89	
				JP	57154029	A	22/09/82	
				US	4422477	A	27/12/83	

US	5029614	A	09/07/91	NONE				
